



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

HEAVY RAINS; HARVEST ACTIVITY SLOWED

A major storm event on Wednesday and Thursday brought heavy rainfall to southern areas of the state, according to the USDA, NASS, Minnesota Field Office. As of September 26, an average of 7.2 inches of rain was received in the South Central region, followed by 5.1 inches in the Southwest and 4.4 inches in the Southeast. This significant rainfall caused widespread flooding and road closures. Hail was also reported in several southern locations.

While the heaviest rain fell in the south, most areas of the state received above-normal precipitation. Amounts were heavy in the Northwest and East Central regions, receiving 2.2 and 2.1 inches of rain, respectively. Statewide 2.3 days were rated suitable for fieldwork. Topsoil moisture supplies were rated 28 percent adequate and 72 percent surplus.

The row crop harvest was suspended by heavy rain and saturated soils. Corn harvest advanced only 1 percentage point from last week to 2 percent harvested, compared to 0 percent last year and 3 percent for the five-year average. Corn silage harvest advanced to 92 percent, compared to 59 percent last year and 80 percent average. Soybeans were 6 percent harvested, compared to 4 percent last year and 13 percent average. The sweet corn harvest was virtually complete at 96 percent. Potatoes were 62 percent harvested, dry beans were 65 percent harvested, sugarbeets were 16 percent harvested, and sunflowers were 12 percent harvested.

Corn in the mature stage was 79 percent, compared to 15 percent last year and 56 percent average. Corn was rated in 53 percent good and 32 percent excellent condition, a drop from the previous week.

Ninety percent of soybeans were shedding their leaves, compared to 76 percent last year and 86 percent average. Soybeans were 63 percent mature, compared to 32 percent last year and 55 percent average. Soybeans were rated in 53 percent good and 28 percent excellent condition, a drop from the previous week.

Days Suitable for Fieldwork: 2.3				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	28	72

Crop Progress as of September 26, 2010					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Mature	79	49	15	56
Corn	Harvested	2	1	0	3
Corn Silage	Harvested	92	83	59	80
Soybeans	Shedding Leaves	90	68	76	86
Soybeans	Mature	63	25	32	55
Soybeans	Harvested	6	3	4	13
Potatoes	Harvested	62	50	50	59
Sweet Corn	Harvested	96	92	91	95
Dry Beans	Dropping Leaves	97	93	NA	NA
Dry Beans	Harvested	65	52	48	60
Sunflowers	Harvested	12	NA	0	2
Sugarbeets	Harvested	16	13	11	11

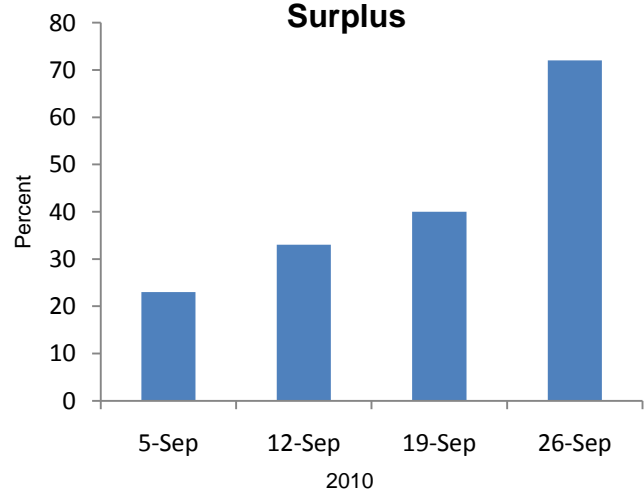
Condition as of September 26, 2010					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	0	3	20	58	19
Sugarbeets	1	2	7	56	34
Corn	1	3	11	53	32
Soybeans	2	4	13	53	28
Sunflowers	2	4	21	57	16

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

Topsoil Moisture Supply Rated Surplus



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 26, 2010:
Temperatures averaged from 3.6 degrees below normal in the Northeast District to 1.9 degrees above normal in the South Central District.
Extremes: 27 degrees in Hibbing; 89 degrees in Winnebago, Redwood Falls, Lamberton. Average precipitation ranged from 0.19 inch above normal in the Northeast District to 6.55 inches above normal in the South Central District. Greatest weekly total of 8.56 inches was recorded in Winnebago.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/20/2010 through 9/26/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	65	41	52.2	-1.8	1.74	1.25	3.05	4.83	2284	29
Itasca	61	36	49.3	-1.1	2.14	1.48	4.38	4.33	2041	209
Moorhead	72	39	55.0	.0	2.09	1.59	3.75	6.09	2458	90
Warroad	61	35	49.1	-2.1	3.00	2.42	4.42	8.12	1905	-40
<u>NC DIST 2</u>										
Grand Rapids	67	34	49.7	-2.5	.93	.23	1.07	3.36	2120	154
Intl. Falls	65	33	47.2	-3.2	2.72	2.05	3.31	8.44	1858	30
<u>NE DIST 3</u>										
Duluth	62	31	48.5	-3.7	1.14	.23	-.53	3.94	1931	191
Grand Marais	67	34	49.0	-3.7	.82	.04	-.02	-1.90	1354	-7
Hibbing	66	27	47.6	-3.3	1.02	.29	.71	2.11	1952	165
<u>WC DIST 4</u>										
Alexandria	68	41	53.6	-1.4	.63	.05	2.35	3.86	2371	100
Browns Valley	81	37	55.1	-1.7	1.08	.68	3.55	4.76	2385	-133
Canby	86	42	56.6	-2.2	3.52	2.98	8.76	8.79	2615	-37
Dalton	69	42	54.3	-1.9	.87	.40	4.32	6.00	2455	102
Montevideo	87	40	57.0	-.3	3.07	2.58	7.67	9.21	2455	-57
Morris	83	41	55.0	-1.1	.68	.20	4.68	5.69	2402	-36
Wheaton	80	42	55.4	-.9	2.29	1.82	6.83	4.54	2420	-61
<u>CENT DIST 5</u>										
Becker	72	36	53.8	-1.4	3.05	2.39	5.24	7.99	2590	289
Collegeville	70	40	56.2	-2.1	.82	.13	2.86	4.07	2645	74
Hutchinson	85	42	57.4	-.0	4.10	3.64	5.22	10.22	2669	136
Melrose	65	37	51.7	-4.2	1.10	.48	2.38	6.98	2305	-106
Olivia	86	41	56.8	.4	3.63	3.05	6.13	8.44	2449	-11
St. Cloud	69	37	54.5	-.2	1.69	1.07	5.36	5.62	2478	239
Staples	63	36	51.0	-2.4	.62	.03	1.68	5.48	2269	241
Wadena	61	36	50.0	-2.8	.52	-.07	2.47	8.04	2084	57
Willmar	86	38	55.8	-.9	1.96	1.37	5.79	11.79	2514	55
<u>EC DIST 6</u>										
Aitkin	65	36	49.7	-2.9	.66	.02	.98	2.53	2064m	156m
Forest Lake	74	37	55.4	-1.2	2.01	1.31	3.12	4.76	2602	193
Hinckley	67	32	49.5	-3.0	1.58	.86	1.92	9.40	2068	71
MSP Airport	80	41	59.2	.9	3.58	3.03	3.25	4.25	2935	297
St. Paul - UofM	78	37	56.2	-2.3	2.78	2.10	2.64	4.91	2639	43
<u>SW DIST 7</u>										
Lamberton	89	39	57.6	.1	5.96	5.41	9.04	10.85	2740	176
Marshall	88	41	57.4	-.7	5.19	4.70	12.54	16.62	2671	49
Pipestone	86	41	57.6	1.2	6.25	5.63	8.61	15.00	2505	41
Redwood Falls	89	39	58.7	-.3	4.22	3.70	6.59	8.71	2738	12
Worthington	87	39	58.0	1.6	6.91	6.37	8.73	10.24	2612	215
<u>SC DIST 8</u>										
Faribault	84	43	61.7	4.7	6.31	5.65	8.60	9.77	2658	212
Mankato	88	43	58.8	1.1	5.58	4.93	7.30	8.70	2651	93
Waseca	87	38	58.3	.7	8.28	7.62	9.98	13.02	2648	149
Winnebago	89	43	60.0	1.2	8.56	8.01	8.69	12.30	2808	213
<u>SE DIST 9</u>										
Preston	85	34	58.5	1.4	4.70	3.95	5.61	8.13	2754	397
Red Wing	77	43	58.6	.7	4.91	4.15	6.04	8.42	2760	215
Rochester	85	40	59.3	2.9	4.92	4.27	5.76	6.11	2631	305
Rosemount	80	39	57.3	-.1	3.70	2.96	3.41	7.45	2623	196
Winona	78	43	58.6	.2	5.30	4.57	6.40	12.73	2691	107

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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